

O. Lawrence
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3-41-01

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Kaname MIWA, et al.

Appln. No.: 09/313,184

Confirmation No.: Unassigned

Filed: May 18, 1999

For: SENSOR ELEMENT AND GAS SENSOR



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Group Art Unit: 1743

Examiner: Tung, T.

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

Responsive to the outstanding Office Action dated September 12, 2000, three times extended from December 12, 2000 to March 12, 2001 by the filing of an appropriate Petition and payment for extension of time submitted herewith, please amend the above-identified application as follows.

IN THE SPECIFICATION:

Page 13, lines 13-22, please delete the first full paragraph, and replace it with the following new paragraph:

As shown in FIGS. 1, 2A, and 2B, in the first limiting-current-type sensor 10 of the first embodiment, the area ratio between the positive electrode 32a and the negative electrode 34a is set to 2:1. As a result, element resistance is reduced, as will be described later, to 74% that of the conventional flat limiting-current-type sensor which has been described above with reference to